Environmental Science

Biology 201 · Spring 2008, 3 Credits · MWF 10:00-10:50, CNSB 101

This course is an exploration of contemporary issues in environmental science. Man's interaction with the Earth's biological and physical resources. Topics include global warming, biodiversity, conservation, pollution, wetlands, sustainable agriculture, and population growth. Prerequisite: an introductory biology course.

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Office Hours:	As posted on office door or arrange a convenient time
Textbook:	**Visualizing Environmental Science 1st Ed.** by Berg
Websites:	Blackboard and the textbook's website

✔ ***Objectives***: After completing this introductory course, you should be able to:
- discuss the nature of environmental science from a biological point of view;
- discuss the ecological foundation of environmental issues;
- discuss the basic principles of current global issues facing humans and how they interact with the environment from a historical, scientific, and political point of view;
- compare the viewpoints of pro- and anti-environmentalists;
- learn to analyze critically and to think about what you read and hear in order to express your ideas clearly to others.

✔ ***Evaluation***: *Exams* – There will be three exams scheduled during the regular class time and a final exam. No copies of the exam may be removed from the classroom during examinations. Mid-term grades will be posted on the Arrow system. Mid-term grades indicate a student's status at mid-semester only and do not indicate the final performance outcome of a student. An acceptable written excuse, as described in the University catalog, must be provided for missing an exam before a make-up exam can be scheduled. Make-ups must be taken before the next exam **unless** arrangements are made with the instructor. Otherwise, there will be a 10% penalty per week for late make-ups. Each hour exam and the final will be worth 100 points. *Current events* – During the semester, you will collect 15 news articles from newspapers, magazines, WWW, etc. related to current environmental science issues. This activity will be worth 50 points. *Conservation study* – Each student will research a short study on conservation ideas useable at ULM. Guidelines will be provided. The study is due by April 18th. The study will be worth 50 points. Final grades will be based on 400 possible total points:

A = 90 – 100% **B** = 80 – 89% **C** = 70 – 79% **D** = 60 – 69% **F** < 60%

✔ ***Attendance***: According to new policies, if you miss more than 25% of the course meetings (9+ classes), you may receive a W or F (see complete details in *Student Policy Manual*). This includes University-related absences otherwise excused. A permanent attendance record will be kept in accordance with the current regulations outlined in the University catalog. You must submit written excuses for absences within a week after returning to class. Acceptable excuses include authorized trips away from the University, authorized University duties, and confinement to the University Infirmary. You are responsible for material covered in lectures, regardless of excused absences. It is not necessary for you to call me if you will be absent. Just bring an excuse when you return.

✔ ***Academic Integrity***: Students must observe the ULM published policy on Academic Dishonesty in the *Student Policy Manual* (www.ulm.edu/studentpolicy/).

✔ ***Cells Phones***: According to new University policies, cell phones must be set to silent or vibrate inside academic buildings. In classrooms, cell phones must be turned off and put away. No cell phones are to be out during the class without specific permission of the instructor.

✔ ***Student Services:*** Information about ULM student services, such as Student Success Center (www.ulm.edu/cass/), Counseling Center (www.ulm.edu/counselingcenter/), Special Needs (www.ulm.edu/counselingcenter/special.htm), and Student Health Services, is available at the Student Services web site (www.ulm.edu/studentaffairs/).

✔ ***Emergency Procedures***: Determine the most convenient evacuation route and any alternates (other than elevators) when an alarm is sounded. In case of any fire or alarm, everyone evacuates the building until an all clear is given. To ensure everyone evacuated safely, all students should assemble outside the front door, adjacent to the Nursing Building. In the event of high wind, tornado or other weather emergency, the procedure for evacuation should be abandoned and everyone should assemble near the center of the building away from windows and glass enclosed areas on the first floor. After the crisis, everyone who is not injured should assist in the care of those who are incapacitated until help arrives.

✔ ***Withdrawal***: Carefully read the current withdrawal and resignation policies in the University catalog, especially the deadline dates.

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Date		Lecture Topic	Textbook
Jan 14	M	1. Introduction	1
16	W	2. Environmental Sustainability & Human Values	2
18	F	3. Environmental Sustainability & Human Values	2
21	M	*Dr. Martin Luther King, Jr. Holiday!*	
23	W	4. Environmental History, Politics, & Economics	3
25	F	5. Environmental History, Politics, & Economics	3
28	M	6. Risk Analysis and Environmental Hazards	4
30	W	7. Risk Analysis and Environmental Hazards	4
Feb 1	F	8. How Ecosystems Work	5
4-6	MW	*Mardi Gras Holidays!*	
8	F	9. How Ecosystems Work	5
11	M	Exam 1 ———> 5 current events due	
13	W	10. Human Population Change	7
15	F	11. Human Population Change	7
18	M	12. Human Population Change	7
20	W	13. Human Population Change	14
22	F	14. Agriculture and Food Resources	14
25	M	15. Agriculture and Food Resources	10
27	W	16. Agriculture and Food Resources	11
29	F	17. Freshwater Resources and Water Pollution	10
Mar 3	M	18. Freshwater Resources and Water Pollution	10
5	W	19. The Ocean and Fisheries	11
7	F	Exam 2 ———> 5 current events due	
10	M	20. Air and Air Pollution	8
12	W	21. Air and Air Pollution	8
14	F	*No lecture today!*	
17	M	22. Global Atmospheric Changes	9
19	W	23. Global Atmospheric Changes	9
21-28	F-F	*Spring Holidays!*	
31	M	24. Global Atmospheric Changes	9
April 2	W	25. Global Atmospheric Changes ***Last Drop Day***	9
4	F	26. Biological Resources	15
7	M	27. Biological Resources	15
9	W	28. Biological Resources	15
11	F	Exam 3 ———> 5 current events due	
14	M	29. Solid and Hazardous Wastes	16
16	W	30. Nonrenewable Resources	17
18	F	31. Nonrenewable Resources ***Conservation project due***	17
21	M	32. Renewable Resources	18
23	W	33. Renewable Resources	18
25	F	34. Environmentalism	
28	M	35. Environmentalism	
30	W	36. The Urban World	
May 2	F	37. Tomorrow's World	
8	Th	**Final Exam** (8:00–9:50am)	